

REMARKS

Patent claims 1-22 and new claims 23-49 are pending in this reissue application. All pending claims were rejected in the Office Action. In accordance with 37 C.F.R. § 1.173 regarding the manner of making amendments in reissue claims, Applicants have made amendments as follows: Claims 23-49, not being original patent claims, are amended by cancellation of previously submitted claims 23-49 and submission of four times amended claims 23, 24, 27, and 28; three times amended claims 25, 31, and 46; two times amended claims 26, 32-35, 40, 41, and 44; once amended claims 29, 30, 36-39, 47, and 48; and unamended claims 42, 43, 45, and 49, each of which is underscored in its entirety to indicate a change relative to the issued patent. Applicants note in characterizing the number of amendments made to these claims that the amendment submitted January 27, 2000 was not entered. Claims 27, 28, 44, and 46 have been amended to independent form. Additionally, claim 46 is amended to clarify that the amino acid sequence is encoded by the respective nucleic acid sequence of claim 1. No new matter has been introduced by way of this amendment. In view of the foregoing amendments and the following remarks, Applicants respectfully request that all rejections be withdrawn upon reconsideration.

Applicants note with appreciation the consideration of the references cited in U.S. Patent No. 5,405,942 as indicated by initialed Form PTO-1449.

Claims 23, 24, 31, and 46 were rejected in the Office Action mailed October 23, 2002 under 35 U.S.C. § 112, second paragraph as being allegedly indefinite in the recitation of "an amino acid sequence." Applicants have amended claims 23, 24, 31, and 46 to recite the amino acid sequences set forth in Figures 1 and 2 for the purpose of clarity. Applicants request withdrawal of the rejection.

Applicants submit herewith a Supplemental Reissue Oath in accordance with 37 C.F.R. § 1.175(b) declaring that each error in the original patent occurred without deceptive intent on the part of the Applicants. The Oath includes the required statement by the declarant that all statements made therein of personal knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the

application or any patent issued thereon. Applicants note that the present application does not claim priority to a foreign application. Applicants request that the reissue application be allowed.

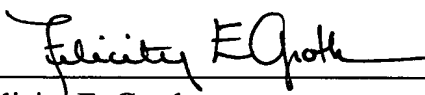
CONCLUSION

In view of the foregoing, Applicants believe all claims now pending in this application are in condition for allowance. The issuance of a Notice of Allowance at an early date is respectfully requested.

If the Examiner believes a telephone conference would expedite prosecution of this application, the undersigned may be contacted at 215-557-5908.

Respectfully submitted,

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**STATUS OF CLAIMS AND EXEMPLARY SUPPORT FOR CLAIMS
PURSUANT TO 37 C.F.R. § 1.173(d)**

1. (Pending)
2. (Pending)
3. (Pending)
4. (Pending)
5. (Pending)
6. (Pending)
7. (Pending)
8. (Pending)
9. (Pending)
10. (Pending)
11. (Pending)
12. (Pending)
13. (Pending)
14. (Pending)
15. (Pending)
16. (Pending)
17. (Pending)
18. (Pending)
19. (Pending)
20. (Pending)
21. (Pending)
22. (Pending)
23. (Pending)

Support:

Column 2, lines 32-49; Column 3, line 5 through Column 4, line 11

Patent claim 1

Figures 1 and 2

24. (Pending)

Support:

Column 2, lines 32-49; Column 3, line 5 through Column 4, line 11

Patent claim 1

Figures 1 and 2

25. (Pending)

Support:

Column 2, lines 32-49; Column 3, line 5 through Column 4, line 11

Patent claim 1

26. (Pending)

Support:

Column 2, lines 32-49; Column 3, line 5 through Column 4, line 11

Patent claim 1

27. (Pending)

Support:

Column 2, lines 32-49; Column 3, line 5 through Column 4, line 11

Patent claims 4 and 5

28. (Pending)

Support:

Column 2, lines 32-49; Column 3, line 5 through Column 4, line 11

Patent claims 4 and 5

29. (Pending)

Support:

Column 2, lines 32-49; Column 3, line 5 through Column 4, line 11

Patent claims 19 and 21

30. (Pending)

Support:

Column 2, lines 32-49; Column 3, line 5 through Column 4, line 11

Patent claims 19 and 21

31. (Pending)

Support:

Column 2, lines 32-49; Column 3, line 5 through Column 4, line 11

Patent claim 8

Figures 1 and 2

32. (Pending)

Support:

Column 2, lines 32-49; Column 3, line 5 through Column 4, line 11

Patent claim 8

33. (Pending)

Support:

Column 2, lines 32-49; Column 3, line 5 through Column 4, line 11

Patent claim 8

34. (Pending)

Support:

Column 2, lines 32-49; Column 3, line 5 through Column 4, line 11

Patent claims 12 and 13

35. (Pending)

Support:

Column 2, lines 32-49; Column 3, line 5 through Column 4, line 11

Patent claims 12 and 13

36. (Pending)

Support:

Column 2, lines 32-49; Column 3, line 5 through Column 4, line 11

Patent claim 14

37. (Pending)

Support:

Column 2, lines 32-49; Column 3, line 5 through Column 4, line 11

Patent claims 15-17, 19, and 21

38. (Pending)

Support:

Column 2, lines 32-49; Column 3, line 5 through Column 4, line 11

Patent claims 15-17, 19, and 21

39. (Pending)

Support:

Column 2, lines 32-49; Column 3, line 5 through Column 4, line 11

Patent claims 15-17, 19, and 21

40. (Pending)

Support:

Column 2, lines 32-49; Column 3, line 5 through Column 4, line 11

Patent claims 15-17, 19, and 21

41. (Pending)

Support:

Column 2, lines 32-49; Column 3, line 5 through Column 4, line 11

Patent claims 15-17, 19, and 21

42. (Pending)

Support:

Column 2, lines 32-49; Column 3, line 5 through Column 4, line 11

Patent claim 1

43. (Pending)

Support:

Column 2, lines 32-49; Column 3, line 5 through Column 4, line 11

Patent claim 1

44. (Pending)

Support:

Column 2, lines 32-49; Column 3, line 5 through Column 4, line 11

45. (Pending)

Support:

Column 2, lines 32-49; Column 3, line 5 through Column 4, line 11

46. (Pending)

Support:

Column 2, lines 32-49; Column 3, line 5 through Column 4, line 11

Figures 1 and 2

47. (Pending)

Support:

Column 2, lines 32-49; Column 3, line 5 through Column 4, line 11

48. (Pending)

Support:

Column 2, lines 32-49; Column 3, line 5 through Column 4, line 11

49. (Pending)

Support:

Column 2, lines 32-49; Column 3, line 5 through Column 4, line 11